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September 28, 2012

Mr. Allen Wojtas
Contract Level Contracting Officer's Representative
U.S. EPA, Region 5, LP-9J
77 W. Jackson Blvd
Chicago, IL 60604

Reference: EPA Contract No. EP-W-07-074; EPA Task Order R05033; Solutia, Inc., Sauget, Illinois (former Monsanto Plant) Final Field Sampling Activity Report; Task 6 Deliverable

Dear Mr. Wojtas:

Please find enclosed the final Trip Report for Soil Sampling at Residences Near the Solutia, Inc. Facility (Report) that describes soil sample collection activities in Sauget, Illinois. The soil samples were collected in the field by a team consisting of TechLaw representatives. The samples were collected on August 14 and 15, 2012, and subsequently analyzed by Columbia Analytical Services doing business as ALS Environmental (ALS) in Rochester, New York.

For your convenience, this report has also been e-mailed to both you and Mr. Ken Bardo in Microsoft Word (report text) and Adobe pdf (entire report) formats. If you have any questions, please contact me at (312) 345-8974 or Ms. Kim Whitlock, TechLaw's Task Order Manager, at (312) 345-8930.

Sincerely,

A handwritten signature in blue ink that reads 'Terry Zdon'.

Terry Zdon
Regional Project Manager

cc: C. Kerzhner, EPA CO (E-mail only)
K. Bardo, EPA TA (E-mail only)
B. Freeman, EPA CLTOCOR (E-mail only)

K. Whitlock (E-mail only)
B. Smith (E-mail only)
TechLaw Chicago Files

**TRIP REPORT FOR SOIL SAMPLING
AT RESIDENCES NEAR THE SOLUTIA, INC. FACILITY
AUGUST 2012**

SAUGET, ILLINOIS

Submitted to:

**Mr. Allen Wojtas
Contract Level Contracting Officer's Representative
U.S. Environmental Protection Agency
Region 5, LP-9J
77 W. Jackson Boulevard
Chicago, Illinois 60604**

Submitted by:

**TechLaw, Inc.
205 West Wacker Drive
Suite 1622
Chicago, Illinois 60602**

EPA Contract No.	68-W-07-074
TechLaw Task Order No.	R05033
EPA Task Order No.	EP-G10S-00032
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September 28, 2012

**TRIP REPORT FOR SOIL SAMPLING
AT RESIDENCES NEAR THE SOLUTIA, INC. FACILITY**

SAUGET, ILLINOIS

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Table 2a: Summary of RCRA Metals Analytical Results (Excel file)

Table 2b: Summary of PCB and Pesticide Analytical Results (Excel file)

FIGURE

Figure 1: Dead Creek Sample Locations Solutia Residential Soil Sampling

Figure 2: Wilford Avenue Residential Sample Locations Solutia Residential Soil
Sampling

Figure 3: Falling Springs Road and Mississippi Avenue Residential Sample
Locations Solutia Residential Soil Sampling

APPENDICES

Appendix A: Field Log Book

Appendix B: Photograph Log

Appendix C: Chain of Custody Forms

Appendix D: Analytical Data

Appendix E: Data Validation Report

**TRIP REPORT FOR SOIL SAMPLING
AT RESIDENCES NEAR THE SOLUTIA, INC. FACILITY**

SAUGET, ILLINOIS

1.0 INTRODUCTION

The purpose of this Trip Report (Report) is to summarize the sample collection procedures at residences in East St. Louis, Illinois located near the Solutia, Inc. facility in Sauget, Illinois. Soil sampling activities took place on August 14 and August 15, 2012. Prior to the sampling activities, TechLaw submitted a Sampling and Analysis Plan (SAP) dated July 23, 2011 to EPA which described the proposed sample collection and analytical methods. The sample locations were identified by EPA. The SAP was approved by EPA prior to the field visit. Soil samples were analyzed for polychlorinated biphenyls (PCBs). A subset of the samples was also analyzed for Resource Conservation and Recovery Act (RCRA) metals. Chemical analysis of the samples was conducted by ALS in Rochester, NY.

In total, TechLaw collected 11 five point composite surface soil samples (with each of the five points referred to as an aliquot) and eight discrete soil samples. The purpose of the field activities conducted by TechLaw was to provide support to EPA to evaluate whether PCBs and RCRA metals are present in soil at concentrations which exceed applicable screening standards at select locations in East St. Louis, Illinois near the Solutia, Inc. facility. Global Positioning System (GPS) Coordinates were also collected at each of the aliquot locations for the composite samples and each discrete sample location. A copy of the Field Log Book for the sampling event is presented in Appendix A. A Photograph Log depicting the sampling activities is provided in Appendix B. Chain of custody (COC) forms are provided in Appendix C. The Laboratory Analytical Results are provided in Appendix D and the Data Validation Report is provided in Appendix E.

2.0 SITE DESCRIPTION AND HISTORY

In 2009, EPA collected soil samples from 30 residences and two parks located in Sauget and East St. Louis, Illinois, near the former PCB-manufacturing area of the Solutia, Inc. facility in Sauget, Illinois. A total of 34, five-point composite surface soil samples were collected and analyzed for PCB homologs. Samples collected from four locations in Sauget and two locations in East St. Louis had PCB concentrations which exceeded the EPA Preliminary Remediation Goal (PRG) of one part per million (ppm).

Subsequently, an air deposition model analysis was completed in January 2011, which correlated the 2009 soil sampling results with estimated emissions from the PCB- manufacturing process. The model estimated that PCB concentrations in soil in excess of one ppm are potentially present in residential areas of East St. Louis which were not previously sampled.